

ABSTRACT OF THE DISCLOSURE

A motor controller for simultaneously
controlling operations of at least two system motors by
5 pulse-width modulation. The motor controller includes
a pair of switches, a pair of pulse signal generators,
and a phase shifter. The switches are used for supplying
driving power to the two system motors. The pulse signal
generators are used for generating a pair of pulse signals
10 respectively having predetermined duty ratios at
predetermined cycles, and outputting the pulse signals
to the pair of switches to turn on or off the pair of switches.
The phase shifter is used for inverting, with respect to
the phase of one of the two pulse signals that is generated
15 and output by one of the two pulse signal generators, the
phase of the other of the two pulse signals, which is
generated and output by the other of the two pulse signal
generators, by 180 degrees.

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